**Position:** Faculty Position (open rank) in AI Methodologies for Business Decision-Making

**Department:** The position can be affiliated to any of the 8 academic departments of HEC Paris, depending on qualification and background of the applicant

**Location of job:** HEC Paris, 1 rue de la Libération, Jouy en Josas, Ile de France, 78351, France

**Degree required:** Ph.D. or doctorate

**Job start date:** 2025-09-01 - the search will continue until the position is filled.

**Job type:** Full time/permanent

**Language:** The language of work is English. Proficiency in French is not a prerequisite

**JOB DESCRIPTION:**

**HEC Paris invites applications for a full-time research faculty position (Assistant, Associate, or Full Professor level) in AI Methodologies for Business Decision-Making.** The position is affiliated with the Hi! PARIS Center on Data Analytics and Artificial Intelligence for Science, Business and Society (<https://www.hi-paris.fr/> ).

Candidates with backgrounds in disciplines such as Artificial Intelligence, Machine Learning, Data Science, Operations Research, Strategy, Finance, Marketing, or Management are encouraged to apply, provided their research focuses on the development and application of AI methodologies to support and enhance decision-making in business contexts.

Applicants must hold a Ph.D. in a relevant field and demonstrate a strong record of research excellence, with publications in leading academic journals. Successful candidates are expected to pursue high-impact research, contribute to the academic community, and provide outstanding teaching at the graduate and executive levels.

**Main Expertise:**

Ideal candidates should have expertise in one or more of the following domains:

* Core machine learning techniques, including supervised and unsupervised learning, ensemble methods (e.g., boosting, bagging), and penalized regression techniques for feature selection.
* Deep learning models, such as neural networks and transformer-based architectures, particularly for applications in natural language processing (NLP).
* Experience with reinforcement learning for dynamic optimization in business decision-making scenarios.
* Familiarity with generative AI methods for content generation and scenario modeling within business applications.
* Applications of AI methodologies in one or more business domains, such as:
  + **Human Resources:** talent analytics, workforce planning
  + **Finance:** algorithmic trading, credit risk assessment
  + **Marketing:** customer segmentation, personalized recommendation systems
  + **Accounting:** fraud detection, financial forecasting
  + **Strategy:** AI-driven competitive analysis, market entry and positioning decisions
  + **Operations and Supply Chains:** demand forecasting, inventory optimization, logistics and routing algorithms

**Other Desired Expertise:**

Expertise in any of the following domains would also be considered a plus.

* Strong foundational knowledge of core business disciplines, particularly such as finance, HR, marketing, operations and strategy.
* Understanding of how AI methodologies are implemented in real-world, large-scale business environments.
* Understanding of how AI technologies are integrated into business decision-making processes to enhance business performance and improve decision-making efficiency.
* Teaching experience in AI, machine learning, or data science, with a focus on business applications and managerial relevance.

Besides the affiliation with the Hi! PARIS Center, the position holder will also benefit from a dynamic research environment, with privileged connections to the Innovation & Entrepreneurship Institute, the Sustainability and Organizations Institute and other research centers at HEC Paris.

**About the School:**

HEC Paris is one of the leading business schools in the world, with a diverse student body, representing more than 100 nationalities. HEC Paris offers degrees at all levels: an international MBA program, a PhD program, the leading French Grande Ecole program in business administration, and many specialized Masters programs. In addition, the Executive Education Center offers a variety of programs at the national and international levels. HEC Paris has been consistently ranked among the top business schools by the Financial Times. In 2024, it was ranked #2 in Europe. The Master in Management and MBA programs were ranked #2 and #9 in the world, respectively (Financial Times 2024 and 2025). The TRIUM Global Executive MBA was ranked #5, Executive Education was ranked #1 in Europe, and the Master in Finance (Pre-experience) was ranked #1 globally—all by the Financial Times. These are just a few examples of the many HEC Paris programs that have received top international recognition. HEC Paris has one of the largest campuses in Europe. The 340-acre wooded campus is just outside of Paris and less than 15 minutes from Versailles. It located on the Paris-Saclay plateau hosting one of the world’s largest research-education-technology hubs.